

HR070 Series
Remote Control
Programming Guide





Introduction

The McIntosh HR070 Series Remote Controls (HR070, HR071, HR072 and HR073) supplied with McIntosh Preamplifiers, Integrated Amplifiers, A/V Control Centers, and Source Components not only control a McIntosh Component System, but also have the ability of controlling non McIntosh Components in your system. Refer to figures 1 through 4

The HR70 Series Remote Controls have stored in permanent memory the necessary information to send the correct commands to the component to be controlled. By entering a five digit numeric code the commands for controlling the component is activated.

In the event the Remote Control doesn't have the code to control a particular component, the Remote Control has the ability to learn and store the IR Signals sent out by the Remote Control originally supplied with the component.

Battery Information

Use only fresh batteries of the required size and recommended type. When the battery voltage is low, the Push-button will blink 5 times after another Push-button on the Remote Control is pressed. Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

If the Remote Control will not be used for an extended period, remove the batteries. They can leak chemicals and destroy the Remote Control.

When discarding the Remote Control, comply with local rules or regulations. Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning battery disposal.

For additional information please visit the McIntosh Web Site at www.mcintoshlabs.com.

Installing Batteries

- 1. Open the battery compartment cover (located on the back of the remote).
- 2. Place the AA batteries in the compartment and match the + and polarity symbols inside.
- 3. Replace the cover.



Figure 1







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Programming a Component

Program this Remote Control by first find the codes for the components you want to program (starting on page XX) and then follow the steps below:

- 1. Turn on the component (in this example, the TV).
- 2. Press TV Push-button on the Remote Control to be programmed. Refer to figure 5.
- 3. Press and hold SET Push-button until the Push-button illumination blinks twice, then release.
- 4. Enter the first five-digit code for the component (TV) and brand that you wish to program. The Push-button blinks once as each digit is entered. If the code is valid, the Push-button blinks twice.

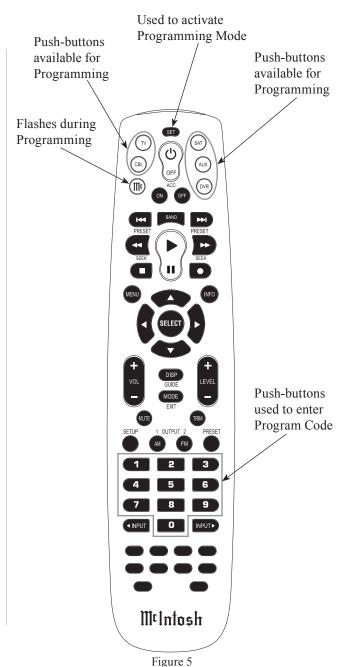
Note: If the Push-button does not blink twice, repeat steps 2 to 4 and try entering the code again.

5. Aim the McIntosh Remote Control at the component and press Power Off. The TV should turn Off. If it does not, repeat steps 3–5, trying each code for your brand until you find one that works. If you cannot find a working TV codes refer to "Searching Codes" on this page.

Note: There might be more than one Program Code Number capable of switching power Off to the TV. Choose the Code Number with the greatest number of desired active commands for the TV to be controlled.

6. Repeat steps 1 to 5 for the other components you want to control. For future reference, write down each working component code below:

HR Series Remote Control Programming			
Assigned Push-button Component Program Code			
TV			
CBL			
SAT			
AUX			
DVR			



Searching for Code

If your component (TV in the Programming a Component example) does not respond to the Remote Control Control after trying all codes listed for your (TV) brand, or if your TV brand is not listed, try searching for your code:

- 1. Switch On the TV you wish to control.
- 2. Press the TV Push-button on the Remote Control Control once.
- 3. Press and hold SET Push-button until the Push-button illuminaton blinks twice, then release.
- 4. Enter 9 9 1, then the component group number (see below). The Push-button blinks twice.

Code Number	Component Group
0	Cable (Cable Converter, Video Accessories, Satellite Receivers)
1	TV
2	VCR (VCRs, DVD Players)
3	Audio (Audio Amplifiers, Audio Amp /Tuners, CD Players)

- 5. Aim the Remote Control Control at the TV and press Power Off. The Remote Control sends IR Codes from its library to the selected TV, starting with the most popular code first. If the component responds, go to step 7.
- 6. If the component does not respond, press LEVEL+ Push-button and the Remote Control will test the next code for that TV type. Continue to press LEVEL+ Push-button until the TV switches Off. Note: Press LEVEL- Push Button to try the previous code.
- 7. Now that you have found the correct code, press SET to save the code that worked for the TV. The Push-button will blink twice to indicate the code has been saved. To search for other component codes, repeat steps 1 to 5.

Checking the Codes

CHECKING THE CODES

If you have set up the remote using the procedure in "Searching for Your Code", you may need to find out which five-digit code is operating your quipment. For example, to find out which code is assigned to your TV:

- 1. Press TV once.
- 2. Press and hold SETUP until the red LED blinks twice, then release.
- 3. Enter 9 9 0. The LED blinks twice.
- 4. To view the code for the first digit, press 1. Count the LED blinks (for example, three blinks = 3), and write down the number in the appropriate code listing at the top of this column.

NOTE: If a code digit is 0, the LED does not blink.

- 5. Repeat step 4 for the four remaining digits, using 2 for the second digit, 3 for the third digit, 4 for the fourth digit, and 5 for the fifth digit.
- 6. To check for other device codes, repeat steps 1—5, substituting the device key the desired mode you would like to check

USING LEARNING

This universal remote control includes a Learning feature (some models may not include Learning) so you can add functions that are unique to your home entertainment components (e.g.,VCR Tracking Up or Down). However, there are some considerations.

Learning Precautions

- Your original remote controls must be in working order for learning to work properly.
- Learned keys are mode-specific, so each one can store a unique function for each mode.
- Do not use the following keys for learning: Device Keys, SETUP, or Record (•).
- Learning capacity is approximately 42 to 75 keys, depending on the code being learned.
- Certain device functions are not learnable including multi-frequency types, some

high frequency ones, and other unusual formats.

• For optimum learning, avoid high levels of ambient light such as natural sunlight or energy-efficient fluorescent lights.

NOTE: Please have your original remote controls handy before programming learning.

Programming a Learned Push-button

Programming a Learned Key

NOTE: If more than 10 seconds pass between key presses, the remote exits programming.

- 1. Place the Potenza head-to-head (about 2" apart) from your original remote control. Also locate the key (on your original remote control) that you want the Potenza to learn. Press the mode key you wish to learn keys on.
- 2. Press and hold SETUP until the LED blinks twice, then release.
- 3. Enter 9 7 5. The LED blinks twice.

NOTE: If the LED displays one long flash instead, either your batteries are low,

- or the Potenza has a memory fault. In either case, the remote cannot learn a new key.
- 4. Press the key on the remote you wish to learn onto. The feedback LED
- will blink rapidly for three seconds, suggesting the remote is ready to learn.
- 5. On the original remote, press and hold the key to be learned. Continue

holding the key on the original remote until the Potenza's LED blinks

twice.

NOTE: If the LED displays one long blink, a learning error has occurred. Try

repeating this step again until a successful capture occurs. If the function

is still not captured, press and hold SETUP to exit programming and

review the "Learning Precautions" above. If needed, also see "Troubleshooting"

below. After review, start programming again at step 1.

6. Repeat steps 4 through 5 for another key you would like to learn onto.



Once you have completed learning all keys, press and hold SETUP until

the LED blinks twice to save all data learned.

Deleting a Single Learning Key

This process returns the key to its original programming for the mode you

select. You can also delete learned programming by teaching a different

function to the key (see "Programming a Learned Key").

NOTE: If more than 10 seconds pass between key presses, the remote exits programming.

- 1. Press the mode key that you wish to remove the learned key from.
- 2. Press and hold SETUP until the LED blinks twice, then release.
- 3. Enter 9 7 6. The LED blinks twice.
- 4. Press the key containing the learned function to be deleted twice. The

LED blinks twice and exits from programming. Deleting All Learned Keys in a Specific Mode NOTE: If more than 10 seconds pass between key presses, the remote exits programming.

- 1. Press and hold SETUP until the LED blinks twice, then release.
- 2. Press 9 7 6. The LED blinks twice.
- 3. Press a mode key twice (i.e., TV. VCR/DVD, CBL/SAT, etc.) to clear all the

learned keys for that mode. The LED blinks twice and exits from programming.

Volume Lock

CHANGING VOLUME LOCK

The Potenza universal remote control comes preset to allow independent

volume control of each selected device (Global Volume Unlock). However, you

may change the Volume Lock setting to Global Volume Lock so that one

device's volume will control volume in all other modes. After that, you can

perform Individual Volume Unlock on a selected device to set its volume

control for independent operation or Global Volume Unlock to remove all

volume locking.

Locking Volume Control to One Mode (Global Volume Lock)

- 1. Press and hold SETUP until the red LED blinks twice, then release.
- 2. Enter 9 9 3, the LED blinks twice.
- 3. Press the mode key for the device you want to control (for example, TV).
- 4. The LED blinks twice. Now when you press VOL+, VOL-, or Mute, the

selected device (for example, TV) controls the volume regardless of the

current mode.

Unlocking All Volume Control (Restoring Global Unlock)

- 1. Press and hold SETUP until the red LED blinks twice, then release.
- 2. Enter 9 9 3, the LED blinks twice.
- 3. Press VOL+. The LED blinks four times. Volume is independently

controlled for all programmed components. Unlocking a Single Device's Volume Control

- 1. Press a device key (TV. VCR/DVD, CBL/ SAT, etc.).
- 2. Press and hold SETUP until the red LED blinks twice, then release.
- 3. Enter 9 9 3. The LED blinks twice.
- 4. and then press VOL-. The LED blinks four times. Volume is independently controlled for the selected components.

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